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December 28, 2001

**EXPRESS MAIL NO. EL535778457US**  
ATTORNEY DOCKET NO. 07589.0005  
CUSTOMER NO. 22,852

**Box PATENT APPLICATION**  
**Commissioner for Patents and Trademarks**  
**Washington, DC 20231**

New U.S. Patent Application  
Title: ADAPTIVE DIGITAL BEAMFORMER COEFFICIENT  
PROCESSOR FOR SATELLITE SIGNAL INTERFERENCE  
REDUCTION  
Inventors: Richard C. GAUS, Jr. et al.



Sir:

We enclose the following papers for filing in the United States Patent and Trademark Office in connection with the above patent application.

1. Application- 22 pages, including 4 independent claims and 8 claims total.
2. Drawings- 5 sheets of drawings (Figures 1-5).
3. The filing fee is calculated as follows:

Basic Application Filing Fee					\$740	\$ 740.00
	Number of Claims		Basic	Extra Claims		
Total Claims	8	-	20	0	x \$18	0.00
Independent Claims	4	-	3	1	x \$84	84.00
<input type="checkbox"/> Presentation of Multiple Dep. Claim(s)					+\$280	
Subtotal						\$ 824.00
Reduction by 1/2 if small entity						-
TOTAL APPLICATION FILING FEE						\$ 824.00

4. The total fee due is \$824.00. This fee includes:

\$740.00 filing fee; and  
\$84.00 additional claims fee.

Applicant claims the right to priority based on Provisional Patent Application No. 60/259,121 filed December 29, 2001.

Please address all correspondence with respect to this application to:

Finnegan, Henderson, Farabow,  
Garrett & Dunner, L.L.P.  
1300 I Street, N.W.  
Washington, D.C. 20005-3315

This application is being filed under the provisions of 37 C.F.R. § 1.53(f). Applicants await notification from the Patent and Trademark Office of the time set for filing the Declaration.

Please accord this application an application number and filing date.

The Commissioner is hereby authorized to charge any additional fees due, including the \$740.00 filing fee, and any other fees under 37 C.F.R. § 1.16 or § 1.17 during the pendency of this application, to our Deposit Account No. 06-0916.

FINNEGAN, HENDERSON, FARABOW,  
GARRETT & DUNNER, L.L.P.

Garrett & Dunner, L.L.P.  
Charlene Thorpe  
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Charlena L. Thorpe  
Reg. No. 48,035

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**CERTIFICATE UNDER 37 CFR § 1.10 OF  
MAILING BY "EXPRESS MAIL"**

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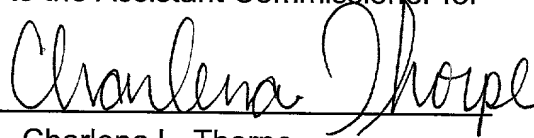
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**December 28, 2001**

Date of Deposit

I hereby certify that this correspondence is being deposited with the United States Postal Services "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

By:



Charlena L. Thorpe

**Items attached:**

1. Receipt postcard
2. Application- 22 pages, including 4 independent claims and 8 claims total.
3. Drawings-5 sheets of drawings (FIGS. 1-5).
4. Serial No. postcard
5. Transmittal Letter (3 pages)